

DATA SHEET

Three Phase Induction Motor - Squirrel Cage



| | | | | |
|--|---|--|---------|----------|
| Customer | : | | | |
| Product line | : Premium Efficiency Three-Phase | Product code : 13575373 | | |
| Frame | : W56C | Cooling method : IC411 - TEFC | | |
| Insulation class | : F | Mounting : F-1 | | |
| Duty cycle | : Cont.(S1) | Rotation ¹ : Both (CW and CCW) | | |
| Ambient temperature | : -20°C to +40°C | Starting method : Direct On Line | | |
| Altitude | : 1000 m.a.s.l. | Approx. weight ³ : 9.9 kg | | |
| Protection degree | : IP55 | Moment of inertia (J) : 0.0011 kgm ² | | |
| Output [HP] | | 1 | | |
| Poles | | 2 | | |
| Frequency [Hz] | | 60 | | |
| Rated voltage [V] | | 575 | | |
| Rated current [A] | | 1.20 | | |
| L. R. Amperes [A] | | 10.6 | | |
| LRC [A] | | 8.8x(Code M) | | |
| No load current [A] | | 0.638 | | |
| Rated speed [RPM] | | 3435 | | |
| Slip [%] | | 4.58 | | |
| Rated torque [kgfm] | | 0.211 | | |
| Locked rotor torque [%] | | 360 | | |
| Breakdown torque [%] | | 380 | | |
| Service factor | | 1.15 | | |
| Temperature rise | | 80 K | | |
| Locked rotor time | | 18s (cold) 10s (hot) | | |
| Noise level ² | | 65.0 dB(A) | | |
| Efficiency (%) | 25% | 72.4 | | |
| | 50% | 74.0 | | |
| | 75% | 77.0 | | |
| | 100% | 78.5 | | |
| Power Factor | 25% | 0.38 | | |
| | 50% | 0.63 | | |
| | 75% | 0.75 | | |
| | 100% | 0.80 | | |
| Bearing type | : <u>Drive end</u> 6203 ZZ <u>Non drive end</u> 6202 ZZ | Foundation loads | | |
| Sealing | : V'Ring Without Bearing Seal | Max. traction : 20 kgf | | |
| Lubrication interval | : - - | Max. compression : 30 kgf | | |
| Lubricant amount | : - - | | | |
| Lubricant type | : Mobil Polyrex EM | | | |
| Notes | | | | |
| This revision replaces and cancel the previous one, which must be eliminated. (1) Looking the motor from the shaft end. (2) Measured at 1m and with tolerance of +3dB(A). (3) Approximate weight subject to changes after manufacturing process. (4) At 100% of full load. | | These are average values based on tests with sinusoidal power supply, subject to the tolerances stipulated in NEMA MG-1. | | |
| Rev. | Changes Summary | Performed | Checked | Date |
| Performed by | | | | |
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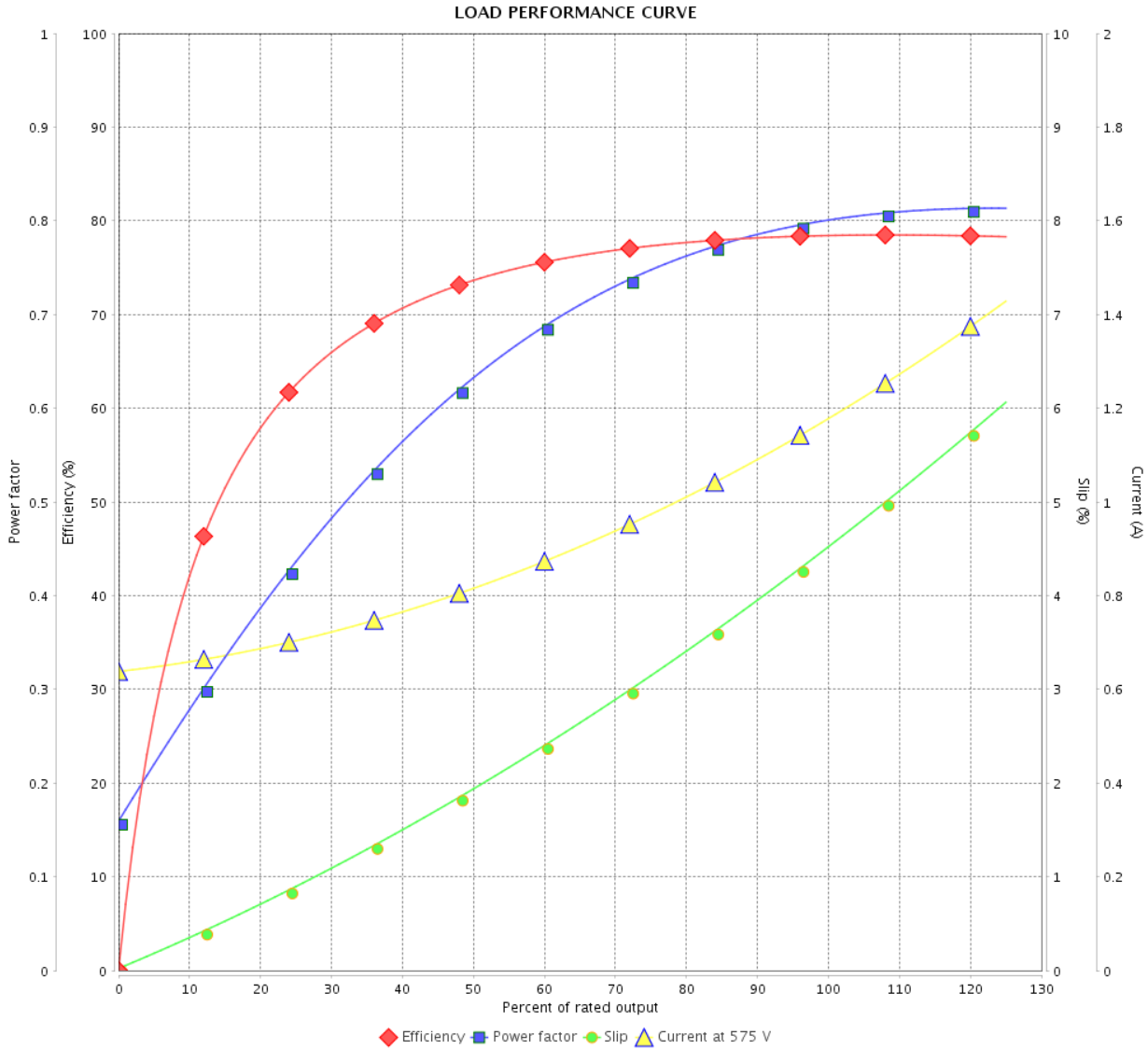
LOAD PERFORMANCE CURVE

Three Phase Induction Motor - Squirrel Cage



Customer :

Product line : Premium Efficiency Three-Phase Product code : 13575373



Performance : 575 V 60 Hz 2P

Rated current : 1.20 A
 LRC : 8.8
 Rated torque : 0.211 kgfm
 Locked rotor torque : 360 %
 Breakdown torque : 380 %
 Rated speed : 3435 rpm

Moment of inertia (J) : 0.0011 kgm²
 Duty cycle : Cont.(S1)
 Insulation class : F
 Service factor : 1.15
 Temperature rise : 80 K

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